

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 3

Complete if Known

Application Number	10/632,254
Filing Date	August 1, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1704 1753
Examiner Name	WOOD
Attorney Docket Number	SABI-30144

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
C/W		US- 3,702,886	11-14-1972	Argauer, et al.	
		US- 3,965,207	06-22-1976	Weinstein	
		US- 4,278,827	07-14-1981	Chu, et al.	
		US- 5,210,356	05-11-1993	Shamshoum, et al.	
		US- 5,227,558	07-13-1993	Shamshoum, et al.	
		US- 5,336,824	08-09-1994	Shamshoum, et al.	
		US- 5,349,113	09-20-1994	Chang, et al.	
		US- 5,387,732	02-07-1995	Shamshoum, et al.	
		US- 5,847,255	12-08-1998	Ghosh, et al.	
		US- 5,907,073	05-27-1999	Ghosh	
		US- 5,990,031	11-23-1999	Ghosh	
		US- 5,994,603	11-30-1999	Mohr, et al.	
		US- 6,057,485	05-02-2000	Merrill, et al.	
		US- 6,090,991	07-18-2000	Butler, et al.	
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		US- 6,222,084B1	04-24-2001	Ghosh, et al.	
		US- 6,268,305B1	07-31-2001	Butler, et al.	
		US- 6,504,072B1	01-07-2003	Brown, et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature

WOOD

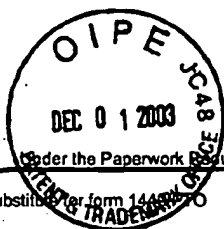
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3/1/05

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		First Named Inventor	Ashim Kumar Ghosh		
		Art Unit	1704 1753		
		Examiner Name	WOOD		
Sheet	2	of	3	Attorney Docket Number.	SABI-30144

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WJW	AA	KAEDING, W.W., et al., Selective Alkylation of Toluene to Produce para-Xylene, Journal of Catalysis 67, 1981, pp. 159-174. ★	
	AB	HIBINO, T., et al., Shape-Selectivity Over HZSM-5 Modified by Chemical Vapor Deposition of Silicon Alkoxide, Journal of Catalysis 128, 1991, pp. 551-558. ★	
	AC	YASHIMA, T., et al., Selective Formation of p-Xylene by Alkylation of Toluene with Methanol on ZSM-5 Type Zeolites, Stud. Surf. Sci. Catal., 1981, 7, pp. 739-751. ★	
	AD	SAYED, M. B., et al., The Effect of Modification with Boron on the Catalytic Activity and Selectivity of HZSM-5, Journal of Catalysis 101, 1986, pp. 43-55. ★	
	AE	KIM, J.-H., et al., Generation of Shape-Selectivity of p-Xylene Formation in the Synthesized ZSM-5 Zeolites, Journal of Catalysis 173, 1998, pp. 433-439. ★	
	AF	VINEK, H., et al., Production and Reactions of Xylenes over H-ZSM-5, Journal of Molecular Catalysis, 64, 1991, pp. 23-39. ★	
	AG	CHEN, N.Y., Reactions of Mixtures of Toluene and Methanol Over ZSM-5, Journal of Catalysis 114, 1988, pp. 17-22. ★	
	AH	YOUNG, L.B., et al., Shape Selective Reactions with Zeolite Catalysts, Journal of Catalysis 76, 1982, pp. 418-432. ★	
	AI	NIRULA, S.C., Para-Xylene From Toluene and Methanol, Process Economics Program, 1983, pp. 1-23, SRI International, Menlo Park, CA. ★	
	AJ	WANG, I., et al., Para-selectivity of Diaklybenzenes over Modified HZSM-5 by Vapour Phase Deposition of Silica, Applied Catalysis, 54, 1989, 257-266. ★	

Examiner Signature	WOOD	Date Considered	3/1/05
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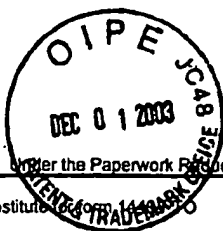
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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		Application Number	10/632,254
		Filing Date	August 1, 2003
		First Named Inventor	Ashim Kumar Ghosh
		Art Unit	1762 1755
		Examiner Name	WOOD
Sheet 3	of 3	Attorney Docket Number	SABI-30144

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WAK		DAS, J., et al., Ethylbenzene Dealkylation and Realkylation over Pore Size Regulated MFI Zeolite, Ind. Eng. Chem. Res., 32, 1993, pp. 2525-2529. *	
AL		KIM, J.-H., et al., Para-selectivity of Metallosilicates with MFI Zeolite Structure Zeolites, Vol. 11, 1991, pp. 59-63. *	
AM		KIM, J.-H., et al., Preparation of Highly Para-selective Metallosilicate Catalysts for Alkylation of Ethylbenzene with Ethanol, Applied Catalysis A:100, 1993, pp. 27-36. *	

Examiner Signature	WOOD	Date Considered	3/1/05
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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Application Number	10/632,254
Filing Date	August 1, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1753
Examiner Name	WOOD
Attorney Docket Number	SABI-30144 (STC-03-0004)

Sheet 1 of 9

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
C/M		US- 4,548,914	10-22-1985	Chu	
		US- 4,590,321	05-20-1986	Chu	
		US- 4,623,530	11-18-1986	Cuilo et al.	
		US- 4,623,533	11-18-1986	Young	
		US- 4,638,106	01-20-1987	Pieters et al.	
		US- 4,665,251	05-12-1987	Chu	
		US- 4,670,618	06-02-1987	De Simone et al.	
		US- 4,673,767	06-16-1987	Nimry et al.	
		US- 4,694,114	09-15-1987	Chu et al.	
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		US- 4,695,687	09-22-1987	Sumitani et al.	
		US- 4,704,495	11-03-1987	Dessau	
		US- 4,716,135	12-29-1987	Chen	
		US- 4,721,827	01-26-1988	Cuilo et al.	
		US- 4,727,209	02-23-1988	Chao	
		US- 4,746,763	05-24-1988	Kocal	
		US- 4,758,328	07-19-1988	Young	
		US- 4,761,513	08-02-1988	Steady	
		US- 4,847,223	07-11-1989	Le Van Mao et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Sheet 2 of 9**Complete if Known**

Application Number	10/632,254
Filing Date	August 1, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1784 <i>LX5</i>
Examiner Name	<i>WJOP</i>
Attorney Docket Number	SABI-30144 (STC-03-0004)

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>WJOP</i>		US- 4,891,930	08-29-1980	Cottrell et al.	
		US- 4,873,087	10-10-1989	Valyocsik et al.	
		US- 4,891,197	01-02-1990	Derouane et al.	
		US- 4,891,467	01-02-1990	Sikkenga	
		US- 4,902,406	02-20-1990	Valyocsik	
		US- 4,912,073	03-27-1990	Chu	
		US- 4,914,067	04-03-1990	Pellet et al.	
		US- 4,936,574	08-19-1990	D'Amore et al.	
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		US- 5,041,402	08-20-1991	Casci et al.	
		US- 5,043,502	08-27-1991	Martindale et al.	
		US- 5,047,141	09-10-1991	Chu	
		US- 5,068,483	11-26-1991	Barthomeuf et al.	
		US- 5,094,995	03-10-1992	Butt et al.	
		US- 5,105,047	04-14-1992	Waller	
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		US- 5,110,776	05-05-1992	Chitnis et al.	
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		Filing Date	August 1, 2003
		First Named Inventor	Ashim Kumar Ghosh
		Art Unit	1784 TAS
		Examiner Name	12008
		Attorney Docket Number	SABI-30144 (STC-03-0004)
Sheet 3	of 9		

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C/12		US- 5,171,921	12-15-1992	Gaffney et al.	
		US- 5,173,461	12-22-1992	Absil et al.	
		US- 5,178,748	01-12-1993	Casci et al.	
		US- 5,231,064	07-27-1993	Absil et al.	
		US- 5,233,102	08-03-1993	Butt et al.	
		US- 5,248,688	09-21-1993	Faust et al.	
		US- 5,248,841	09-28-1993	Young	
		US- 5,264,767	10-19-1993	Dwyer	
		US- 5,264,770	10-19-1993	Olson et al.	
		US- 5,294,578	03-15-1994	Ho et al.	
		US- 5,315,033	05-24-1994	Butt et al.	
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		US- 5,345,021	09-06-1994	Casci et al.	
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		US- 5,349,113	09-20-1994	Chang et al.	
		US- 5,365,003	11-15-1994	Chang et al.	
		US- 5,366,948	11-22-1994	Absil et al.	

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First Named Inventor	Ashim Kumar Ghosh
Art Unit	1784-1253
Examiner Name	Woo
Attorney Docket Number	SAB130144/STC-03

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C/W		US- 5,367,100	11-22-1994	Gongwei et al.	
		US- 5,371,307	12-06-1994	Guth et al.	
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		US- 5,385,718	01-31-1995	Casci et al.	
		US- 5,399,336	03-21-1995	Guth et al.	
		US- 5,430,212	07-04-1995	Butt et al.	
		US- 5,430,213	07-04-1995	Hendriksen et al.	
		US- 5,446,234	08-29-1995	Casci et al.	
		US- 5,455,213	10-03-1995	Chang et al.	
		US- 5,456,821	10-10-1995	Absil et al.	
		US- 5,484,799	11-07-1995	Casci et al.	
		US- 5,475,179	12-12-1995	Chang et al.	
		US- 5,498,814	03-12-1996	Chang et al.	
		US- 5,503,818	04-02-1998	Nicolaides	
		US- 5,516,738	05-14-1998	Chang et al.	
	C/W		US- 5,523,510	06-04-1996	Pellet et al.
		US- 5,534,239	07-09-1998	Fajula et al.	
		US- 5,536,894	07-16-1996	Degnan et al.	

FOREIGN PATENT DOCUMENTS

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Signature**

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PTC/SB/DBA (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	6	of	9
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Complete if Known

Application Number	10/632,254
Filing Date	August 1, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1704 1753
Examiner Name	WOOD
Attorney Docket Number	SAB1-30144 (STC-03-0004)

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code # (if known)			
C/W		US- 6,541,146	07-30-1996	Chang et al.	
		US- 6,581,095	10-01-1996	Chen et al.	
		US- 5,563,310	10-08-1996	Chang et al.	
		US- 5,569,805	10-29-1996	Beck et al.	
		US- 5,571,788	11-05-1996	Chang et al.	
		US- 5,573,746	11-12-1996	Chen	
		US- 5,576,256	11-19-1996	Monque et al.	
		US- 5,607,888	03-04-1997	Chang et al.	
		US- 5,607,890	03-04-1997	Chen et al.	
		US- 5,646,314	07-08-1997	Crocco et al.	
		US- 5,648,580	07-15-1997	Chen et al.	
		US- 5,658,454	08-19-1997	Absil et al.	
		US- 5,675,047	10-07-1997	Beck et al.	
		US- 5,689,024	11-18-1997	Schmitt	
		US- 5,698,758	12-16-1997	Beck et al.	
	C/W		US- 5,780,563	07-14-1998	Chen et al.
		US- 5,789,335	08-04-1998	Chen et al.	
		US- 5,811,613	09-22-1998	Bhat et al.	
		US- 5,833,840	10-10-1998	Absil et al.	

[illegible]

Boardman's Signature	<i>Wood</i>	Date Considered	<i>3/1/12</i>
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/632,254
Filing Date	August 1, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	4204-1253
Examiner Name	WOOO
Attorney Docket Number	SAB1-30144 (STC-03-0004)

Sheet 6 of 9

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WOOO		Number-Kind Code ² (if known)			
		US- 5,902,919	05-11-1999	Chen et al.	
		US- 5,905,051	05-18-1999	Wu et al.	
		US- 5,922,922	07-13-1999	Harris et al.	
		US- 5,925,586	07-20-1999	Sun	
		US- 5,939,597	08-17-1999	Dessau et al.	
		US- 5,951,983	09-14-1999	He et al.	
		US- 5,955,641	09-21-1999	Chen et al.	
		US- 5,994,803	11-30-1999	Mohr et al.	
		US- 6,034,283	03-07-2000	Ban et al.	
		US- 6,040,257	03-21-2000	Drake et al.	
		US- 6,046,128	04-04-2000	Kisen et al.	
		US- 6,047,544	04-11-2000	Yamamoto et al.	
		US- 6,048,816	04-11-2000	Brown et al.	
		US- 6,060,633	06-09-2000	Chen et al.	
		US- 6,074,975	06-13-2000	Yao et al.	
		US- 6,080,303	06-27-2000	Cao et al.	
		US- 6,080,698	06-27-2000	Zhang et al.	
		US- 6,083,866	07-04-2000	Drake et al.	
		US- 6,090,274	07-18-2000	Wu et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			

Examiner Signature	WOOO	Date Considered	3/1/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	7	of	9
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Complete if Known

Application Number	10/632,254
Filing Date	August 1, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1704 1755
Examiner Name	W002
Attorney Docket Number	SAB1-30144 (STC-03-0004)

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² if known			
C		US- 6,100,437	08-08-2000	Koehl et al.	
		US- 6,124,227	09-26-2000	Yao et al.	
		US- 6,150,293	11-21-2000	Verduijn et al.	
		US- 6,156,949	12-05-2000	Brown et al.	
		US- 6,160,191	12-12-2000	Smith et al.	
		US- 6,187,982	02-13-2001	Beck et al.	
		US- 6,211,104	04-03-2001	Shi et al.	
		US- 6,217,748	04-17-2001	Hatanaka et al.	
		US- 6,251,263	06-26-2001	Hatanaka et al.	
		US- 6,294,493	09-25-2001	Strohmaier et al.	
		US- 6,300,535	10-09-2001	van den Berge et al.	
		US- 6,306,790	10-23-2001	Rodriguez et al.	
		US- 6,342,153	01-29-2002	Guan et al.	
		US- 6,388,156	06-14-2002	Ou et al.	
		US- 6,395,664	05-28-2002	Boehner et al.	
	C		US- 6,299,530	06-04-2002	Chen et al.
		US- 6,417,421	07-09-2002	Yao	
		US- 6,423,879	07-23-2002	Brown et al.	
		US- 6,444,610	09-03-2002	Yamamoto	

[illegible]

Examiner Signature	<i>[Signature]</i>	Date Considered	<i>3/1/05</i>
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**INFORMATION DISCLOSURE
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Sheet 8

of

9

Complete If Known

Application Number	10/632,254
Filing Date	August 1, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1280
Examiner Name	1280
Attorney Docket Number	SABI-30144 (STC-03-0004)

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
		US- 6,459,008	10-01-2002	Ou et al.	
		US- 6,469,095	11-22-2002	Garelss et al.	
		US- 6,503,862	01-07-2003	Yamamoto	
		US- 6,504,072	01-07-2003	Brown et al.	
		US- 6,504,074	01-07-2003	Verduijn et al.	
		US- 6,506,954	01-14-2003	Brown et al.	
		US- 6,518,213	02-11-2003	Yamamoto et al.	
		US- 6,548,725	04-15-2003	Froment et al.	
		US- 6,566,293	05-20-2003	Vogt et al.	
		US- 6,589,901	07-08-2003	Yamamoto	
		US- 6,613,708	09-02-2003	Ou et al.	
		US- 6,613,951	09-02-2003	Brown et al.	
		US- 6,642,428	11-04-2003	Johnson et al.	
		US- 6,689,929	02-10-2004	Williams et al.	
		US- 6,699,811	03-02-2004	Mohr et al.	
		US- 6,723,297	04-20-2004	Chen et al.	
		US- 6,726,834	04-27-2004	Quesada et al.	
		US- 6,770,251	08-03-2004	Yoshikawa	
		US- 6,773,694	08-10-2004	Lesch et al.	

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code* Number* Kind Code* (if known)		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

Examiner Signature	Date Considered
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)

Sheet 9 of 19

Complete if Known

Application Number	10/632,254
Filing Date	August 1, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1764
Examiner Name	J. J. J.
Attorney Docket Number	SAB1-30144

Examiner Initials*	Cite No.	U. S. PATENT DOCUMENTS			
		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
C. J. J.		US- 6,799,089	09-28-2004	Toulhoat	
		US- 6,811,684	11-02-2004	Mohr et al.	
		US- 6,812,181	11-02-2004	van der Berge et al.	
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Examiner Initials*	Cite No.	FOREIGN PATENT DOCUMENTS			
		Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ² Number "Kind Code" (if known)			

Examiner Signature	W. J. J.	Date Considered	3/1/05
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